



User's Guide v. 2.5

for further information please contact

**Bisnews AFE (Thailand) Ltd.
17th Fl. U Chu Liang Building
968 Rama IV Rd.
Bangkok 10500
Tel: 0 2637 5555
Fax: 0 2637 5679
Email: helpdesk@bisnews.com**

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Introduction

Liberty is an **Internet-based information service** designed to give you the confidence and freedom to conduct your financial affairs as you conduct your lifestyles. You can go anywhere, check portfolio anytime, and monitor breaking news on the Thai markets, even when traveling.

Liberty requires no software installation in your computer. Information includes Thai stock market data from **Stock Exchange of Thailand (SET)**; local and major international indices plus foreign exchange rates of major currencies from Reuters; and **news from Reuters, Bisnews and SET** -- all the most reliable sources.

You will find it so **easy and convenient** to use **Liberty**. With just a mouse click at any of the menu buttons on the left side of the screen, **Liberty** will present you the **comprehensive information which are gathered, grouped and illustrated with distinct colors**. As a result, you can keep abreast of news and prices while closely monitor the market movement.

In addition, **Liberty** makes it easy and fast for you to **navigate across the menu**. Therefore, you can retrieve warrant data or Sectoral index pertinent to a stock of your interest by clicking at the symbols presented in the **Links** window.

Getting Started with Liberty

You can access **Liberty** by the following procedures.

1. Open Internet Explorer

Windows 2000 User

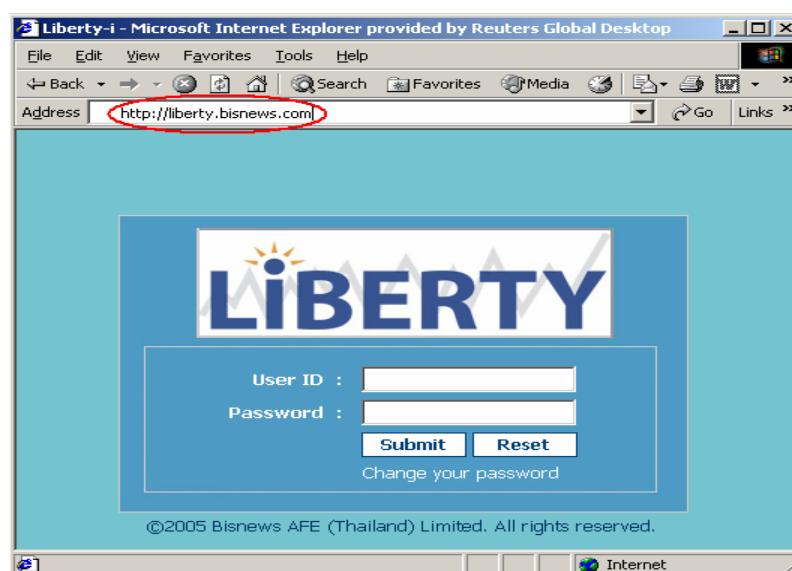
- Left-mouse click at **Start** then choose **Program** and **Internet Explorer**

Windows XP

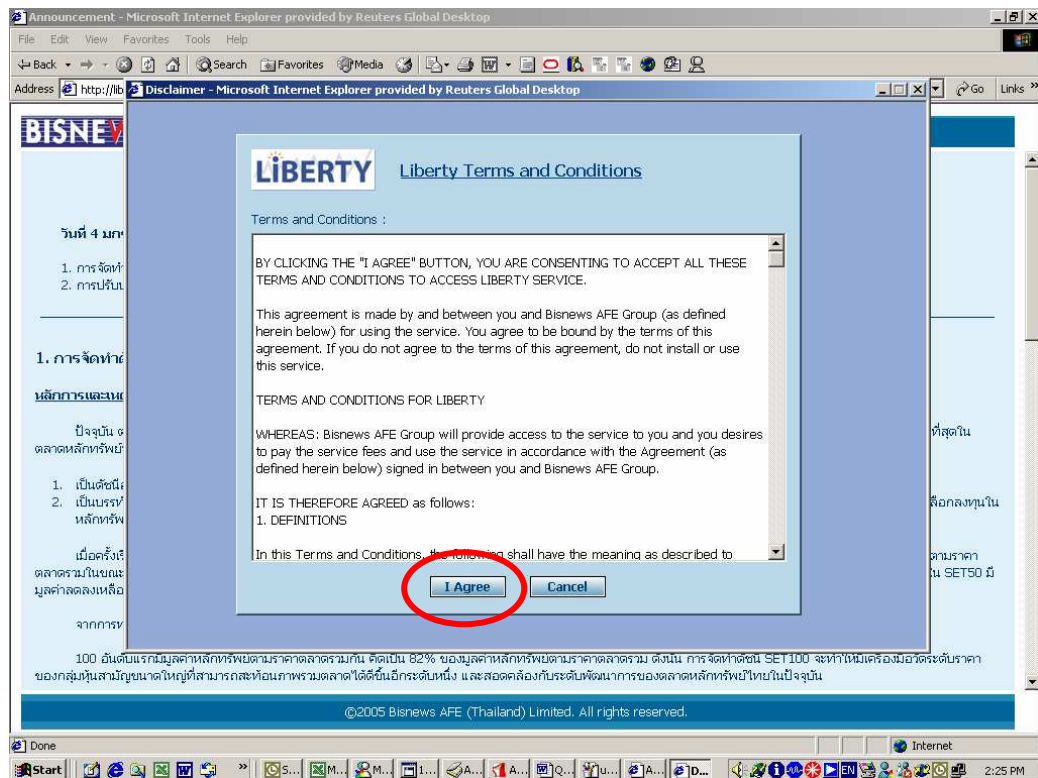
- Left-mouse click at **Start** then choose **All Programs** and **Internet Explorer**

2. Type the URL of Liberty

- Left-mouse click at the **Address box** and type **<http://liberty.bisnews.com>** and press **Enter** click at , the **Login page** will present as follows:



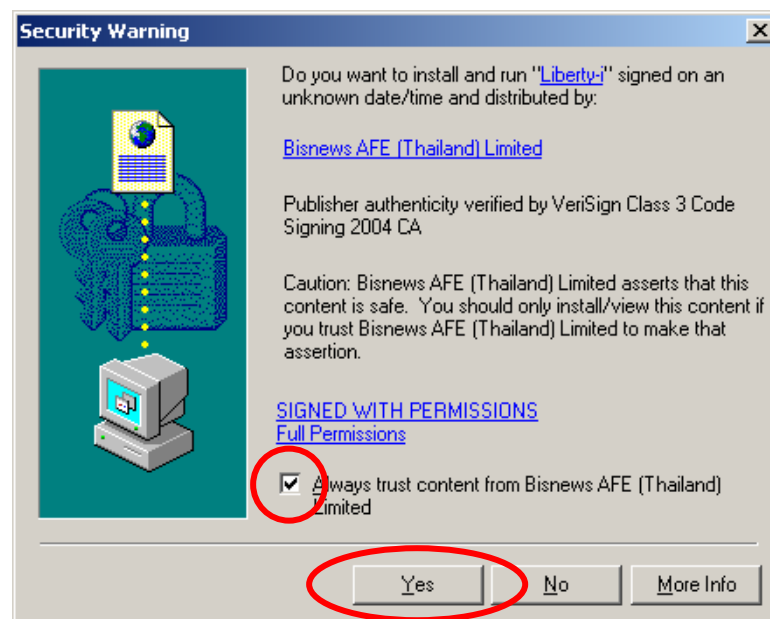
3. Enter User ID และ Password and click **Submit**. Terms and Conditions window will be presented as the following picture. Then click **I Agree**.



4. Security Warning window will pop up.

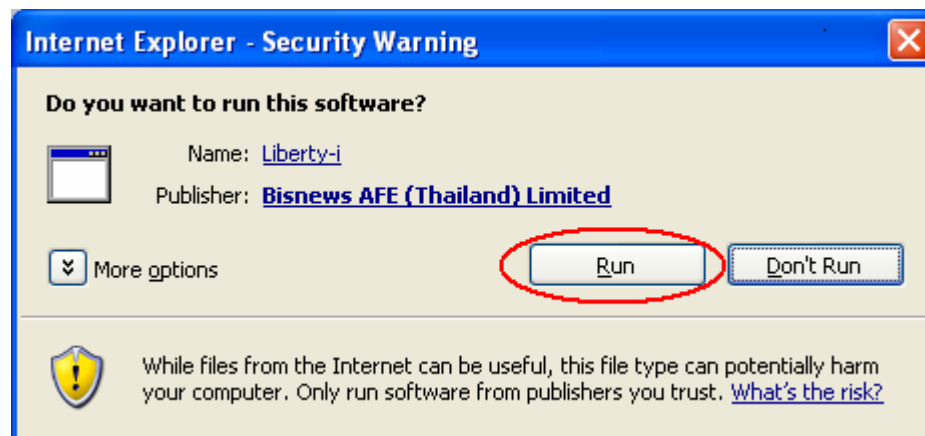
Windows 2000 User

- ✎ Click to choose ☐ **Always trust content from Bisnews AFE (Thailand) Limited**
- ✎ Click **Yes**.



Windows XP User

Click at .



5. When Liberty screen appears, you need to ensure that the color of the **Info Online** button turns into green color like . Then **Liberty** is at your service.

To retrieve real-time data, move your mouse to the symbol box and input the instrument symbol of your interest. For example, if you want to retrieve PTT Public Co., Ltd data, you need to input "PTT".



Info Bar

Info Bar presents **relevant data of local market indices** including **SET, SET50, SET100, MAI, and SET50 Index Futures (nearest month)** to help you monitor index movements. Click **More>>** button to choose the index data of your interest.



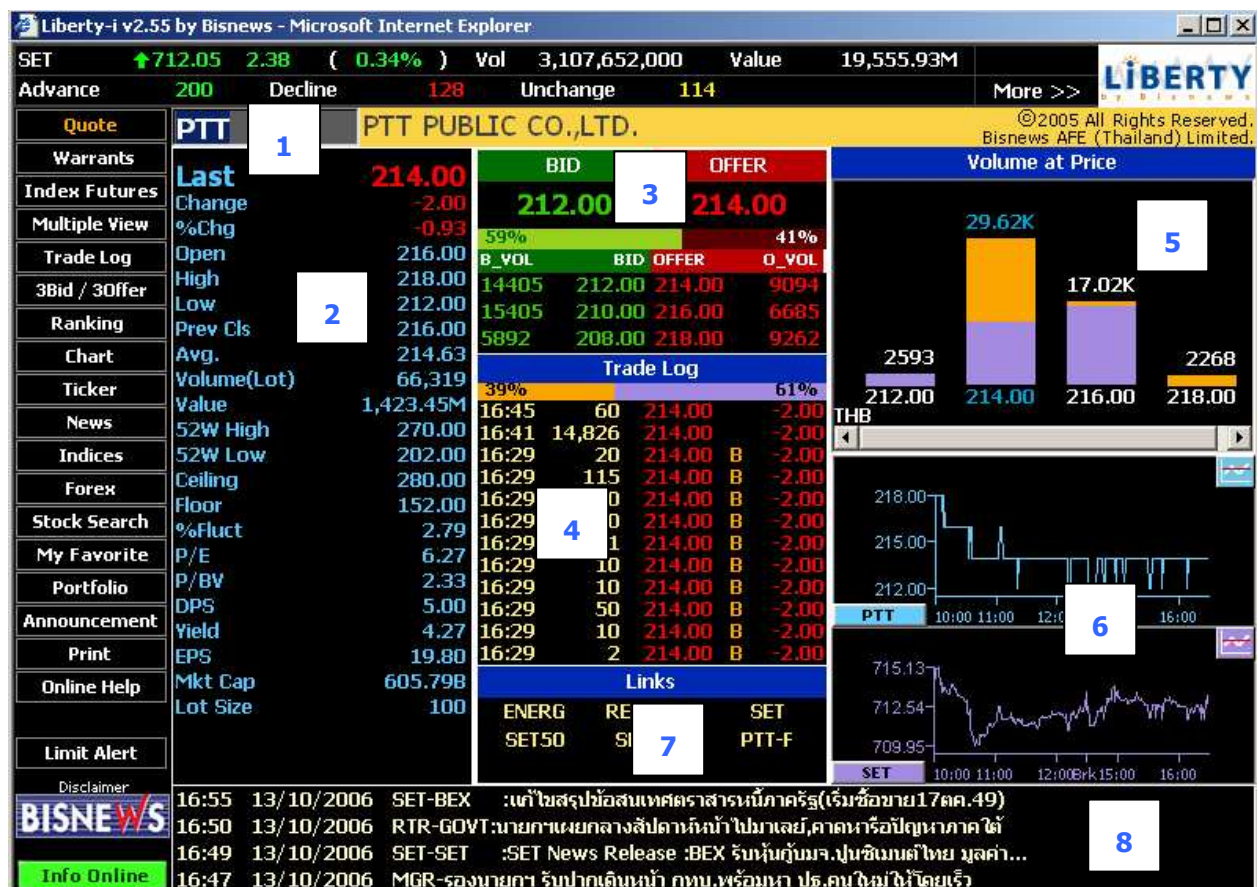
SET	↑712.05	2.38	(0.34%)	Vol	3,107,652,000	Value	19,555.93M
Advance	200	Decline	128	Unchange	114		

Details of data available in Info Bar

- ↗ **Index price movement with up/down arrow blue** to illustrate the up tick (green arrow) or down tick (red arrow)
- ↗ **Change** - compares **Last** price with **Previous Close**
- ↗ **%Change** - displayed in parenthesis
- ↗ **Volume (Vol)** in shares
- ↗ **Value (Val)** in Baht. **M** stands for **Million** Baht and **K** stands for **Thousand** Baht
- ↗ **Advance** – number of stocks with **positive** Change in price
- ↗ **Decline** – number of stocks with **negative** Change in price
- ↗ **Unchange** – number of stocks with **zero** Change in price
- ↗ **Basis** – comparison between the price of **SET50 Index Futures (nearest month)** and **SET50 Index**
- ↗ **Vol of SET 50 Index Futures** - number of futures contracts traded on that day
- ↗ **Open Interest (OI)** - number of futures contracts with open status

Quote Menu

Quote displays **real-time data of stock, warrant, index futures and other indices** with the following details:



Quote	PTT	1	PTT PUBLIC CO.,LTD.	©2005 All Rights Reserved. Bisnews AFE (Thailand) Limited.			
Warrants	Last	214.00	BID	212.00	3	OFFER	214.00
Index Futures	Change	-2.00					
Multiple View	%Chg	-0.93					
Trade Log	Open	216.00					
3Bid / 3Offer	High	218.00					
Ranking	Low	212.00					
Chart	Prev Cls	216.00					
Ticker	Avg.	214.63					
News	Volume(Lot)	66,319					
Indices	Value	1,423.45M					
Forex	52W High	270.00					
Stock Search	52W Low	202.00					
My Favorite	Ceiling	280.00					
Portfolio	Floor	152.00					
Announcement	%Fluct	2.79					
Print	P/E	6.27					
Online Help	P/BV	2.33					
Limit Alert	DPS	5.00					
Disclaimer	Yield	4.27					
Info Online	EPS	19.80					
	Mkt Cap	605.79B					
	Lot Size	100					
	Links						
	ENERG	RE	SET				
	SET50	SI	PTT-F				
	7						
	8						

✎ **Box 1 – Symbol box** allows you to input an instrument symbol of your interest such as **PTT** and press **Enter**. **Liberty** will present **the full name of PTT Public Co. Ltd.** with its details.

✎ **Box 2 – Details box** displays both **real-time price data** and **end-of-day operating data** e.g. P/E, P/BV, DPS and Yield, etc.

Color Description

Field	Color	Description
Last, Change, %Chg	Green	Last > Previous Close
	Red	Last < Previous Close
	Yellow	Last = Previous Close
↑ หรือ ↓	Green	Last > Previous Tick (Last)
	Red	Last < Previous Tick (Last)

✎ **Box 3 – 3Bid/3Offer** displays **real-time 3 best bid and 3 best offer prices and volumes** of a particular instrument. **Liberty** presents data with the following color codes. **Strength Bar Indicator** illustrates **% Bid and % Offer** of such instrument in real-time.

You can **set up the Alert** for Bid price, Offer price, or Volume by clicking at the header **BID** **OFFER** of this box.

✎ **Box 4 – Trade Log** presents **all executed transactions** of such instrument **in real-time** with the following distinctive color code of **Buy (B) or Sell (S)**. **Liberty** also presents **Strength Bar Indicator** to illustrate **% Buy and % Sell** of such instrument being traded in real-time.

Color	Description
Orange	Buy data
Purple	Sell data

✎ **Box 5 - Volume at Price** illustrates **all executed transactions at each price in bar chart** with distinct colors of **buy and sell proportion**. You can go to **Trade Log** menu to view the bigger chart.

Color	Description
Orange	Buy data
Purple	Sell Data

✎ **Box 6 - 2 windows of Intra-day Chart or Tic Chart** that can be toggled to display **today's real-time chart data** of a particular instrument and Thai market indices such as **stock, warrant, SET index, SET50 index, SET100 index, or MAI**. You can click the **SET** button to toggle the display. The **red line** represents **Previous Closing price** so you can see if today's prices are above or below yesterday Previous Closing line.

✎ **Box 7 - Links box** displays **other symbols relevant to the main instrument** such as warrant, preferred stock, foreign board, Sector, Industry. You can click each symbol to view the data.

✎ **Box 8 – Streaming real-time news** from Reuters, Bisnews and SET.

The following picture shows **how Liberty navigates you from one symbol to another**. In case you input a symbol of **SET index in Box1**, Liberty will display, in the lower-right box, real-time data of **all Industries**. But if you input the **Sectoral symbol**, **Liberty** will display real-time data of **all stocks listed under such sector**. And if you **click at any symbol** in this box, **Liberty** will display a full data of it.



Warrant Menu

Warrant page presents **real-time price and analytic data of all warrants in the market**. Warrant symbols are displayed in **alphabetical order (A to Z)**. You can click at the warrant symbol then **Liberty** will navigate you to the **Quote** page.

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET

↑712.052.38(0.34%)

Vol3,107,652,000Value19,555.93M

More >>

Advance200Decline128Unchange114

Quote

Warrants

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Bisnews AFE (Thailand) Limited

Symbol	Last	Change	%Chg	All in Prem.	Blk Sch	Gearing	Delta	Volatil.	Expiry Date	Prev Cls.
AITCO-W1	1.00	-0.09	-8.26	80.000	0.920	5.640	0.462	40.000	30 JUN 2010	1.
AP-W1				-5.000	3.080	1.410	1.000	47.290	12 MAR 2007	2.
APC-W1				117.000	0.180	2.000	0.609	87.430	5 SEP 2008	0.
APC-W2				120.000	0.270	1.880	0.775	87.430	5 SEP 2010	0.
ASIAN-W1				4.000	1.070	4.510	0.912	19.080	8 JUL 2007	1.
ASP-W1	2.10	0.02	0.96	3.000	2.170	1.900	0.935	52.500	30 SEP 2008	2.
BAY-W1	6.30	0.05	0.80	-2.000	7.320	2.990	0.957	30.590	3 SEP 2008	6.
BCP-W1	3.04	0.04	1.33	135.000	1.030	2.980	0.348	40.000	14 MAY 2011	3.
BLISS-W1	1.43	0.00	0.00	163.000	1.240	2.500	0.637	62.030	17 JUL 2012	1.
BTC-W1				10.000	0.570	2.310	0.989	36.770	28 FEB 2007	0.
BTC-W2	0.59	-0.03	-4.84	58.000	0.220	2.680	0.573	36.770	28 FEB 2009	0.
CCET-W1	0.72	0.04	5.88	45.000	0.360	5.760	0.395	40.000	18 APR 2009	0.
CK-W1	4.92	-0.06	-1.21	-1.000	5.040	1.910	0.999	40.150	30 MAR 2007	4.
CPICO-W1				415.000	0.000	6.670	0.000	0.000	15 JUN 2010	0.
CWT-W1	2.00	0.00	0.00	105.000	1.030	1.950	0.675	65.000	31 JAN 2012	2.
DELTA-W2				10.000	16.320	0.960	1.000	33.050	19 DEC 2010	20.
EASTW-W1	1.26	-0.03	-2.33	-3.000	1.370	4.220	0.953	21.630	28 NOV 2007	1.
EMC-W1	1.80	0.12	7.14	44.000	1.270	1.520	0.822	82.850	26 SEP 2008	1.
ERAWAN-W	1.13	0.00	0.00	8.000	1.070	1.810	0.925	60.760	17 DEC 2007	1.
ESTAR-W1	0.24	0.03	14.29	51.000	0.170	2.000	0.751	46.170	29 DEC 2011	0.
ESTAR-W2	0.13	0.00	0.00	169.000	0.070	3.230	0.440	46.170	30 DEC 2011	0.

Disclaimer

BISNEWS

17:19 13/10/2006 SET-SET :ตลาด.รับหุ้นเพิ่มทุนเป็นหลักทรัพย์ค้ำประกันเพิ่มเดิม : S & J
17:19 13/10/2006 SET-S & J:ตลาด.รับหุ้นเพิ่มทุนเป็นหลักทรัพย์ค้ำประกันเพิ่มเดิม : S & J
17:18 13/10/2006 RTR-*SET:ตลาด.เผยวันนี้นักลงทุนต่างชาติซื้อสุทธิ 2,691.71 ล้านบาท
17:16 13/10/2006 RTR---ตลาด.เผยวันนี้นักลงทุนต่างชาติซื้อสุทธิ 2,691.71 ล้านบาท

Info Online

Data Description

- ↖ Last - latest price
- ↖ Change - Last compared with Previous Close
- ↖ %Chg
- ↖ All in Premium
- ↖ Black-Scholes
- ↖ Gearing
- ↖ Delta
- ↖ Volatility
- ↖ Expiry Date
- ↖ Previous Close - yesterday's closing price
- ↖ Volume - trading volume in share
- ↖ Value - trading value in Baht
- ↖ Time - time that such transaction occurs

Index Futures Menu

Index Futures window presents **real-time data of all Index Futures series** traded in the market.

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET

↑712.05

2.38

(0.34%)

Vol

3,107,652,000

Value

19,555.93M

Data Description

Field	Description
Fair Value	Cash price plus the net cost of carrying such futures contract until the contract's expiry date. (The calculated figures is the projected price of such futures compared with risk-free cost) If Fair Value > Last , such futures contract is an interesting one.
Fair Basis	Fair Value minus SET50 Index
Basis	Current price of Index Futures minus SET50 Index
Premium	Current price of Index Futures minus Fair Value If Current price of Index Futures < Fair Value , such futures contract is an interesting one.
Implied Rate	Interest rate or cost of carrying such futures contract, whether the investment cost is high or low
Fund Rate	Interpolated yield curve from Thai BMA
Div Yld	Dividend Yield of SET50 Index
Days	Days to delivery - Number of days from today until expiration date. Days include holidays and weekends .
O/I	Open Interest - Number of futures contracts with open status
Vol Ch (Volume Change)	Volume Change - Today's Volume compared with yesterday's volume

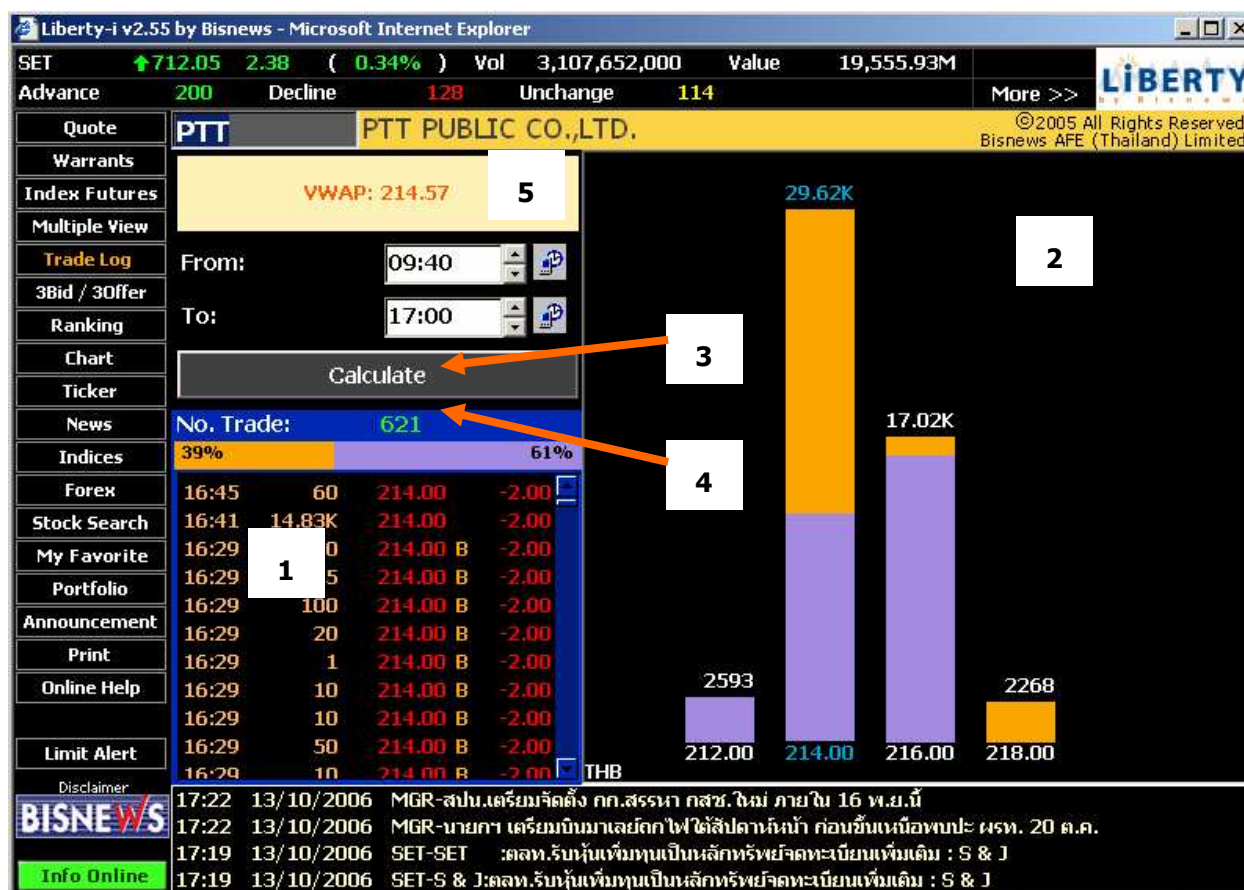
Multiple View Menu

You can **view data of 2 instruments simultaneously** by typing symbol of stock, warrant, index futures in the symbol box and click Enter e.g. PTT and S50U06. Simply click the **More>>** button to view further details.



Trade Log Menu

Trade Log menu displays all executed transactions of a particular instrument throughout the day both in numeric and graphical manner. Even though Liberty automatically calculates **real-time Volume Weighted Average Price (VWAP)**, you can specify the time period of your interest for the calculation.



Data Description

Box 1 – Displays all executed transactions and traded volume of an instrument throughout the day in the following details.

Field	Description
Column 1: Time	Time that such transaction occurs
Column 2: Lot	Volume of instrument being traded (1 Lot = 100 Shares)
Column 3: Price	Price at which instrument is traded
Column 4: B or S	Transaction type. B = Buy and S = Sell (Stock and Warrant) or L = Long and S = Sell (Index Futures)
Column 5: Change	Change in Price (compare Price with Previous Close)

Box 2 – **Volume at Price** illustrated the traded transactions at each price in bar chart with distinct colors. The number at the top of each chart represents the traded volume (Lot) at each price.

Color	Description
Orange	Buy transaction
Purple	Sell transaction

Box 3 – **No. Trade** displays number of transactions such instrument being traded during the day.

✎ **Box 4 – Buy/Sell Strength Bar** illustrates the **real-time percentage (%) of traded volume (whether it comes from Buy or Sell side)** with distinct colors.

Color	Description
Orange	Buy volume
Purple	Sell volume

✎ **Box 5 – VWAP (Volume-Weighted Average Price)** presents real-time average price, weighted by total volume of an instrument. You can specify in the **From: and To:** boxes the time period of the day that you want **Liberty** to calculate the average price. If you want to use the default time, simply click the  button.

3 Bid/3 Offer Menu

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET

↑712.05

2.38

(0.34%)

Vol

3,107,652,000

Value

19,555.93M

Advance

200

Decline

128

Unchange

114

More >>

LIBERTY

Quote

PTT

PTT PUBLIC CO.,LTD.

S50Z06

SET50DEC06

Warrants

Trade Log

BID

OFFER

Trade Log

BID

OFFER

Index Futures

16:45

60

214.00

-2.00

212.00

214.00

16:54

3

498.90

S

0.60

498.70

498.90

Multiple View

16:41

14,826

214.00

-2.00

59%

41%

16:54

2

498.90

S

0.60

57%

43%

Trade Log

16:29

20

214.00

B

-2.00

B_VOL

BID

OFFER

O_VOL

16:54

1

498.90

L

0.60

B_VOL

BID

OFFER

O_VOL

3Bid / 3Offer

16:29

115

214.00

B

-2.00

14405

212.00

214.00

9094

16:54

1

498.90

S

0.60

3

498.70

498.90

2

Ranking

16:29

100

214.00

B

-2.00

15405

210.00

216.00

6685

16:54

1

498.90

L

0.60

6

498.50

499.00

5

Chart

16:29

20

214.00

B

-2.00

5892

208.00

216.00

9262

16:53

1

498.90

L

0.60

7

498.40

499.10

5

Chart

TPI

THAI PETROCHEMICAL INDUST

EMC-W1

EMC PUBLIC COMPANY

Ticker

Trade Log

BID

OFFER

Trade Log

BID

OFFER

News

16:41

47,344

7.05

0.00

7.00

7.05

16:41

67,710

1.80

0.12

1.79

1.80

Indices

16:29

500

7.00

S

-0.05

46%

54%

16:29

5,000

1.78

B

0.10

59%

41%

Forex

16:29

200

7.05

B

0.00

B_VOL

BID

OFFER

O_VOL

16:29

50

1.77

S

0.09

B_VOL

BID

OFFER

O_VOL

Stock Search

16:28

50

7.05

B

0.00

56400

7.00

7.05

1050

16:29

69

1.77

B

0.09

1700

1.79

1.80

13665

My Favorite

16:28

50

7.05

B

0.00

66407

6.95

7.10

58885

16:29

1,000

1.77

B

0.09

400

1.78

1.81

1850

Portfolio

16:26

20

7.00

S

-0.05

38492

6.90

7.15

128046

16:29

3,000

1.77

B

0.09

22131

1.77

1.82

1440

Portfolio

SCC

THE SIAM CEMENT PUBLIC

RATCH

RATCHABURI ELECTRICITY

Announcement

Trade Log

BID

OFFER

Trade Log

BID

OFFER

Print

16:44

17

250.00

0.00

250.00

252.00

16:41

1,336

39.00

0.75

38.75

39.00

Online Help

16:41

1,351

250.00

0.00

23%

77%

16:29

284

39.00

B

0.75

30%

70%

Limit Alert

16:24

20

252.00

B

2.00

B_VOL

BID

OFFER

O_VOL

16:29

716

39.00

B

0.75

B_VOL

BID

OFFER

O_VOL

Disclaimer

16:24

915

252.00

S

2.00

1310

250.00

252.00

1621

16:29

20

38.75

S

0.50

1981

38.75

39.00

1902

Info Online

16:24

4

252.00

S

2.00

3214

248.00

254.00

10464

16:28

10

38.75

S

0.50

282

38.50

39.25

2627

16:23

22

252.00

S

2.00

818

246.00

256.00

5946

16:27

1

38.75

S

0.50

190

38.25

39.50

1325

17:27

13/10/2006

MGR-หุ้นเพิ่มขนาดการต่อต้านก่อการร้ายสถานที่สาธารณะ-ระบบขนส่ง

17:27

13/10/2006

MGR-IMF และฟิลิปปินส์เข้ามามีบทบาทสูง เสี่ยง ศก.เพราะบางต่อความเกินความ

17:25

13/10/2006

SET-STHAI :ตลาด.รับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม:STHAI

17:25

13/10/2006

SET-SET :ตลาด.รับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม:STHAI

With **3Bid/3Offer** menu, you can simultaneously monitor the **3 best bid and 3 best offer prices and quantity including Bid/Offer Strength Indicator of 6 instruments - whether they are stock, warrant or index futures. Liberty also presents 6 latest executed transactions plus Buy (B) and Sell (S)** so you know how those instruments are being traded. You can also **set up the Alert** by clicking at the header of each box

BID OFFER, meaning that you can **set up the Alert of 6 instruments** and have **Liberty** monitor them for you although you are another menu.

Color Description

Color	Description
Green	Bid data
Red	Offer data

Ranking Menu

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET ↑ 712.05 2.38 (0.34%) Vol 3,107,652,000 Value 19,555.93M

Advance 200 Decline 128 Unchange 114 More >>>

Quote SET %Gain ☐ Stock ☐ Sector ☐ Industry ©2005 All Rights Reserved. Bisnews AFE (Thailand) Limited.

Warrants	Symbol	Last	Change	%Chg	%Fluct	Open	High	Low	Volume(Lot)	Value
Index Futures	1 INSURE	13.20	3.00	29.41	24.68	10.30	13.20	10.30	60	65.00K
Multiple View	2 STRD	10.70	2.40	28.92	0.00	10.70	10.70	10.70	1	1.00K
Trade Log	3 S&P-W1	8.25	1.25	17.86	16.22	7.65	9.00	7.65	786	651.00K
3Bid / 3Offer	4 ESTAR-W1	0.24	0.03	14.29	13.33	0.21	0.24	0.21	46,069	1,050.00K
Ranking	5 NEP-W1	1.47	0.15	11.36	9.93	1.39	1.48	1.34	691	95.00K
Chart	6 LH-W2	7.05	0.65	10.16	9.66	6.40	7.05	6.40	6,031	4,227.00K
Ticker	7 SIS	2.44	0.22	9.91	10.26	2.22	2.46	2.22	4,781	1,143.00K
News	8 NCH	1.79	0.16	9.82	9.36	1.63	1.79	1.63	26,422	4,580.00K
Indices	9 DE	1.25	0.11	9.65	11.57	1.14	1.28	1.14	1,989K	241.76M
Forex	10 DRACO	18.00	1.50	9.09	0.56	17.90	18.00	17.90	5	9.00K
Stock Search	11 MINT-W3	5.10	0.38	8.05	8.13	5.00	5.25	4.84	5,929	3,052.00K
My Favorite	12 MIDA-W1	0.55	0.04	7.84	7.55	0.51	0.55	0.51	270,740	14,418.00K
Portfolio	13 PSAP	1.41	0.10	7.63	6.59	1.33	1.41	1.32	36,101	4,987.00K
Announcement	14 ESTAR	0.45	0.03	7.14	4.55	0.43	0.45	0.43	181,173	8,115.00K
Print	15 EMC-W1	1.80	0.12	7.14	6.30	1.69	1.80	1.69	478,009	83,490.00K
Online Help	16 AOT	62.00	4.00	6.90	6.61	58.50	62.50	58.50	139,063	842.20M
Limit Alert	17 PREB	2.56	0.16	6.67	11.02	2.40	2.68	2.40	239,703	61,932.00K
Disclaimer	18 SAWANG	14.50	0.90	6.62	0.00	14.50	14.50	14.50	1	1.00K
BISNEWS	19 LALIN	5.75	0.35	6.48	7.08	5.45	5.85	5.45	47,592	27,285.00K
Info Online	20 MINOR-W1	91.00	5.50	6.43	0.00	91.00	91.00	91.00	6	55.00K

17:27 13/10/2006 MGR-ศูนย์เพิ่มมาตรการต่อต้านก่อการร้ายสถานที่สาธารณะ-ระบบขนส่ง
 17:27 13/10/2006 MGR-IMF แนะนำให้ปรับขึ้นนโยบายคลัง เลี่ยง ศก.ประปรายต่อความผันผวน
 17:25 13/10/2006 SET-STHAI :ผลท.รับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม:STHAI
 17:25 13/10/2006 SET-SET :ผลท.รับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม:STHAI

Updated every minute, **Ranking** menu presents **Top-20 ranking of stocks, warrants, sector and industry in SET and MAI** according to the selected criteria in the combo box.

SET Most Active	☐ Stock	☐ Sector	☐ Industry
-----------------	-----------------------------	------------------------------	--------------------------------

You can choose your preferred criteria using a mouse click at the following part. Once the ranking result appears, you can **click at the instrument symbol of your interest for further information** relevant to such symbol. **Liberty** will navigate you to the **Quote** page.

Criteria Description

Criteria	Description
% Gain	Highest % change in price, calculated from the comparison between Last price and Previous Close
% Loss	Lowest % change in price, calculated from the comparison between Last price and Previous Close
Net Gain	Highest change in price, calculated from the comparison between Last price and Previous Close
Net Loss	Lowest change in price, calculated from the comparison between Last price and Previous Close
Volume	Highest traded Volume
Most Active	Highest traded Value
%Fluctuation	Highest difference between High and Low price

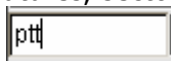
Chart Menu



Chart menu displays **graphical data with histories and 16 major technical analysis tools and Trend Line**. You can click at the tool you like. **Chart** will be changed according to your selection.

Icon in Tool Bar	Usage Description
	Chart Interval allows you to specify your preferred time period for the display e.g. tic, 5 minutes, 15 minutes, 3 months, 2 years
	Zoom-in for you to get into more details for chart during a certain time period
	Cross Hair facilitates you to easily glance the price and technical analysis results at a certain point of chart
	Color Palette for you to change the colors of technical analysis tools
	Setting for you to select the colors of background, foreground, grid line, highlight box of your preference
	Save/Restore Chart allows you to save or restore 20 charts

How to Use Chart

You can retrieve the chart by **inputting the symbol** of stock, warrant, index futures, sectoral index, industry and main indices (SET, SET50, SET100, MAI) in the symbol box . **Liberty** will display **a default Daily Candlestick chart as well as traded Volume** with the letter "D" presented at the right-bottom corner.

You can **maximize the Chart window** by clicking at the  box at the top-right corner.



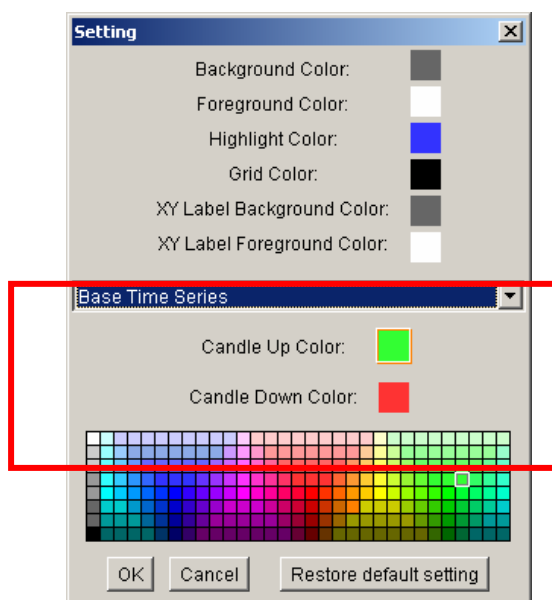
Toolbar supports the following items and actions.

1. Technical Analysis Tools
2. Changing Chart Types
3. Drawing Trend Lines

You can **print out the chart** by clicking the  button.

Changing Chart Colors

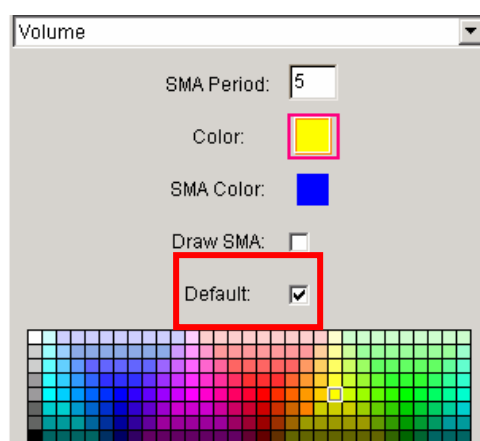
You can change the colors of chart by **clicking at**  (**Setting**) button. The following **Setting menu** will appear.



Setting Menu Description

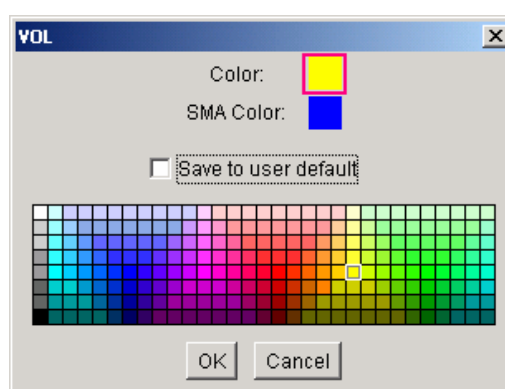
Menu	Description
Base Time Series	Colors of Candlestick chart
Candle Up Color	Color of Candlestick in case of up tick
Candle Down Color	Color of Candlestick in case of down tick

In case you want to **change the Volume color**, just click the  button and choose Volume, the following sub-menu will be displayed.



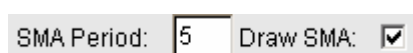
Click the **color box** until the red frame appears, then click to **choose the color you want** from the color palette, and **click OK**. If you tick the Default box, the color you opt will become the default color of Volume every time you retrieve the chart.

The other way to **change the Volume color** is to click the  icon in the toolbar. The following VOL sub-menu will appear.



Then **click the Color box** until the red frame appear, **choose the color you want** from the color palette, and **click OK**. You can also choose "**Save to user default**" so the Volume is displayed with the color you choose every time it is retrieved.

You can add **Simple Moving Average (SMA) line** in Volume window by clicking the Draw SMA box and input your preferred SMA period (day) as follows:



Also, if you need to **change the color of SMA line**, click the  icon and choose the SMA color the same as you do for Volume.

Adding Technical Analysis Tools

You can **browse the Technical Analysis Tools list** by clicking the  button; the drop-down list of technical analysis tools will be displayed. If you want to add an analysis tool into your chart window, you can choose it from the list. **Liberty displays upto 3 technical analysis tools** excluding Price and Volume charts in one page.



If you need to **change the parameter of a particular analysis**, simply click at the name of analysis tool in the chart area until the blue highlight is displayed (the orange frame). The parameter box at the top of the chart window will appear for you to input the parameter you prefer. In case you want **to change the color of such analysis**, just click the  button and choose the color you want.



Deleting Technical Analysis Tools

You can delete a technical analysis tool displayed in the chart area by clicking the name of such tool until the blue highlight appears, then click the  icon. If you want to delete all technical analysis tools you previously chose, click the  icon.

Changing Chart Pattern

- 

Chart Mode

Line

☒ Bar

Candle

Clicking the Chart Mode button, you can **change the display of chart** into your preferred one -- Line Chart, Bar Chart or Candlestick Chart
- 

Chart Interval

3 Month Daily

1 Year Daily

☒ 2 Year Daily

2 Year Weekly

5 Year Weekly

5 Year Monthly

Tic

5 Min

15 Min

Allows you to **retrieve historical chart of various time period**. Just click to choose the period of your preference. In case you choose to display Daily chart, there will be "D" displayed at the right-bottom corner of the window. "W" represents Weekly chart, "M" represents Monthly chart. Tic, 5-minute or 15-minute will be displayed if you choose such interval.
- 

Show/ Hide Option

☒ Volume

☒ X-Axis

☒ Y-Axis

☒ Grid Line

Allows you to **display or remove the display of Volume, Time axis (X-Axis), Price axis (Y-Axis), or Grid Line**.
- 

Cross Hair Option

Cross

Vertical

Horizontal

☒ Off

Helps you to **easily glance the price, volume and other technical analysis figures of the chart**. Price figures start from "O" (Open), "H" (High), "L" (Low), "C" (Close) and "V" (Volume). You can choose the type of Cross Hair you like or choose "Off" to hide it.

While moving the Cross Hair along the chart area, if you want to **freeze the Cross Hair**, simply click your mouse at the certain point. And click your mouse again to **move the Cross Hair**.

- 

Zoom In

You can click the Zoom In button to **see more details of chart within a certain time period** of your interest. Move your mouse to the starting point of time, left-mouse click and hold it, drag the mouse to the ending point, then release the mouse click.
- 

Zoom Out

Once zooming in the chart, you can **squeeze the time period to display chart with further histories** by clicking the Zoom Out button.

-  **Drag Chart** Instead of using scroll bar, you can **move the whole chart** by clicking the Drag Chart button to change the mouse cursor from arrow key to a hand. Then click at the chart area, hold your mouse and drag the chart to the certain time period you want to views. If you want to exit this mode, simply click the Drag Chart button again.
-  **Help Menu Online help** for Chart Menu

Trendlines

-  **Trendline Button: Draw a trend line** by clicking the Trendline button. Then place the mouse at your preferred starting point, left-mouse click, hold it and drag the mouse to the ending point and release it. Trendline will be drawn.
-  **Horizontal Line Button: Draw a horizontal line** by clicking the Horizontal Line button. Then place the mouse at your preferred starting point, left-mouse click, hold it and drag the mouse to the ending point and release it. Horizontal Line will be drawn.
-  **Vertical Line Button: Draw a vertical line** by clicking the Channel Line button. Then place the mouse at your preferred starting point, left-mouse click, hold and drag the mouse to the ending point and release it. Vertical Line will be drawn.
-  **Channel Line Button: Draw a channel line** by clicking the Vertical Line button. Then place the mouse at your preferred starting point, left-mouse click, hold and drag the mouse to the ending point and release it. The lower line of the Channel will be drawn. Move your mouse to the other point you want to draw a channel (parallel) line, then left-mouse click and release it. Channel line will be drawn.
-  **Fibonacci Arc Button: Draw Fibonacci Arc Trendline** by clicking the Fibonacci Arc button. Then click your mouse at the starting point, drag the mouse to your preferred point to specify the width of semi-circle you want to draw, and release the mouse. If you drag the mouse below the angle of 180 degrees, the Fibonacci Arc will be drawn below the main chart.
-  **Upward Gann Angles Button: Draw Upward Gann Angles lines** by clicking the Upward Gann Angles button. Then click the mouse at your preferred point. Upward Gann Angles lines will be drawn.
-  **Downward Gann Angles Button: Draw Downward Gann Angles lines** by clicking the Downward Gann Angles button. Then click the mouse at your preferred point. Downward Gann Angles lines will be drawn.
-  **Retracement Trendline Button: Draw Retracement trend Line** by clicking the Retracement Trendline button. Then click your mouse at the starting point, hold and drag the mouse diagonally to the ending point you want. Retracement trend line will be drawn.
-  **Fans Button:** Draw Fans lines by clicking the Fans button. Then click your mouse at the starting point, hold and drag the mouse diagonally to the ending point you want. Fans trend line will be drawn.
-  **Time Zones Button: Draw Time Zones lines** by clicking the Time Zones button. Then click the mouse at your preferred point. Time Zones lines will be drawn.

-  **Getting Out of Trend Line Mode or Deleting Trend Lines:** Click your mouse and hold it until a rectangular frame appears. Drag your mouse to have this frame cover the trend lines you previously draw. Then click the  button to delete such trend lines. In case you want to delete all trend lines, click the  button. All Trend lines will be removed.

Ticker Menu

Ticker page displays all executed transactions in SET, MAI and TFEX in real-time. You can choose the displayed criteria by clicking one of the following buttons.

☒ All (Stock & Warrant)
 ☐ My Favorite (Stock & Warrant)
 ☐ Index Futures

Criteria	Description
All (Stock & Warrant)	Display all executed transactions of stocks and warrants in the market
My Favorite (Stock & Warrant)	Display only execution of stocks and warrants specified in My Favorite menu
Index Futures	Display all executed transactions of index futures

Sign Color Description

Sign	Color	Description
↑ Or ↓ key	Green	Last price > Previous Last price
	Red	Last price < Previous Last price

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET ↑ 712.50 2.83 (0.40%) Vol 1,682,501,000 Value 11,108.11M

Advance 217 Decline 91 Unchange 104 More >>

☒ All (Stock & Warrant)
 ☐ My Favorite (Stock & Warrant)
 ☐ Index Futures

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Quote	Stock	Vol.	Last	Chg	Stock	Vol.	Last	Chg	Stock	Vol.	Last	Chg						
Warrants	PREB	S	45	2.62	0.22	PREB	B	100	↑	2.64	0.24	IEC	S	300	1.70	0.04		
Index Futures	PREB	S	55	2.62	0.22	METRO	B	300		10.20	0.20	PREB	S	702	2.62	0.22		
Multiple View	SECC	B	100	3.42	0.04	SINGHA	B	500		4.12	0.08	METRO	B	35	10.20	0.20		
Trade Log	DE	B	200	1.19	0.05	SINGHA	B	100		4.12	0.08	PREB	S	50	2.62	0.22		
3Bid / 3Offer	RICH	B	9	2.42	-0.04	SINGHA	B	265		4.12	0.08	PREB	B	248	2.62	0.22		
Ranking	DE	B	100	1.19	0.05	METRO	B	30		10.20	0.20	SECC	B	1000	↑	3.42	0.04	
Chart	SEAFCD	B	15	4.42	0.00	ESTAR	S	2000		0.45	0.03	SECC	B	500		3.42	0.04	
Ticker	IEC	S	300	1.70	0.04	PLE	S	30		7.05	0.05	SECC	B	100		3.42	0.04	
News	PAE	S	50	2.20	0.06	PREB	S	100	↓	2.62	0.22	UP	S	178	17.80	-0.20		
Indices	PS	S	100	6.50	-0.05	PREB	S	1000		2.62	0.22	KCE	S	100		3.48	0.04	
Forex	SINGHA	B	1000	4.12	0.08	PREB	S	200		2.62	0.22	KTECH	B	1510	↑	1.75	0.02	
Stock Search	SINGHA	B	100	4.12	0.08	RCL	B	205		23.30	0.20	SECC	B	300		3.42	0.04	
My Favorite	JAS	S	100	0.50	0.00	NNCL-W1	B	2000		0.74	0.02	SECC	B	200		3.42	0.04	
Portfolio	PREB	B	50	2.64	0.24	TT&T	S	69		1.60	-0.03	IEC	S	100		1.70	0.04	
Order Ticket	RICH	S	991	2.42	-0.04	PREB	S	50		2.62	0.22	NNCL-W1	B	100		0.74	0.02	
Announcement	ATC	S	8	34.50	0.75	PREB	S	93		2.62	0.22	SECC	B	100		3.42	0.04	
Print	PREB	S	175	↓	2.62	0.22	PLE	S	20		7.05	0.05	PREB	S	50		2.62	0.22
Online Help	METRO	B	30	10.20	0.20	TTA	B	20	↑	27.50	-0.25	BBL	S	5000	115.00	2.00		
Limit Alert	IEC	S	100	1.70	0.04	TPI	S	300		7.05	0.00	TIPCO	S	647	6.90	0.05		
	SINGHA	B	100	4.12	0.08	METRO	B	10		10.20	0.20	PREB	S	50		2.62	0.22	

Disclaimer

14:31 13/10/2006 RTR---ฟิวเจอร์ดัชนี 6 ต.ค. US\$4.5 ขึ้นจาก \$ 4.0 ขึ้นจาก ณ 29 ก.ย.

14:31 13/10/2006 RTR---ทุนสำรองฯ 6 ต.ค. US\$ 6.09 ขึ้นจาก \$ 6.16 ขึ้นจาก ณ 29 ก.ย.

14:30 13/10/2006 RTR-POL: เลขาธิการวุฒิสภา เผยเปิดประชุมสภานิติบัญญัติแห่งชาติได้ 24 ต.ค. นี้

14:27 13/10/2006 MGR-ร่างกฏบัตรฉบับใหม่ "ปธน.เงิน" ไม่ผ่านความเห็นชอบ

Applet started

Internet

News Menu

News menu presents both **Thai and English language news from reliable news sources e.g. Reuters, Bisnews, SET, and Manager.**



The screenshot shows the Liberty-i v2.55 interface. At the top, there's a status bar with market data for SET (712.05, 2.38, 0.34%, Vol 3,107,652,762, Value 19,555.93M). Below this is a navigation menu with options like Quote, Warrants, Index Futures, Multiple View, Trade Log, 3Bid / 3Offer, Ranking, Chart, Ticker, News, Indices, Forex, Stock Search, My Favorite, Portfolio, Announcement, Print, Online Help, and Limit Alert. The main area displays 'News Headlines' with a list of news items. Two specific areas are highlighted with boxes: Box 1 points to a news item about MGR-SET, and Box 2 points to a news item about MGR-SET.

There are 2 news areas for your usage

- ✎ **Box 1** is displayed when you click the News button. This news display is **updated every minute**
- ✎ **Box 2** is always displayed at the bottom of the screen. In this area, news is presented on **a real-time streaming update** manner.

You can choose to **view news of your preference** by selecting news sources, categories, language, or instrument symbol. Simply click at  after each combo box or type the instrument symbol in the **Symbol** then click **Go** button.

Description of News Sources, News Categories and Languages

Sources and Language

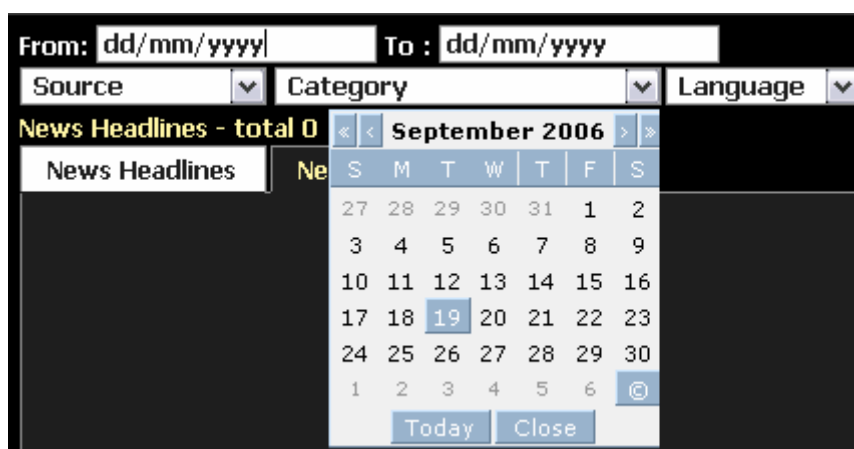
News Sources	Description	Language
All	All sources	Thai and English
Bisnews	Bisnews AFE	Thai and English
Reuters	Reuters	Thai
SET	Stock Exchange of Thailand	Thai and English
Manager	Manager	Thai

Category

Category	Description
All	All categories
Announcement	Announcement from SET
Banking	Finance and Banking
Commodities	Agricultural, commodities, oil prices, gold
General	General news
Marketing	Marketing news
Politics	Political news
Sport	Sport news
Stock	News relevant to stocks and warrants

You can **view the news story** by clicking at news headline; another window of news story will be displayed. You can also **print such news story** by clicking the **Print Page** button or choose to **close the window** by clicking the **Close Window** button. **Liberty** now offers **90-day news histories**.

Additionally, you can choose your preferred period of news display by clicking the **News Archive** folder, then specify the period in **From: and To areas**, **Liberty** will display a **calendar** for you to select the time period of your preference, simply choose the time interval and **click Go button**.



The screenshot shows the 'News Archive' interface. At the top, there are input fields for 'From: dd/mm/yyyy' and 'To: dd/mm/yyyy'. Below these are dropdown menus for 'Source', 'Category', and 'Language'. A section titled 'News Headlines - total 0' is visible. The main part of the interface features a calendar for 'September 2006'. The calendar grid shows days from 27 to 30, with the 19th highlighted. Navigation buttons like '<<', '<', '>', '>>' are present. At the bottom of the calendar, there are 'Today' and 'Close' buttons.

Indices Menu



Indices menu displays **prices of major international and local indices** including SET sectoral and industrial ones. You can choose to **view a group of indices** by clicking the  button of your preferences; a list of pertinent indices will be displayed. **International indices** data will be **update on an hourly basis** while all **local indices** are **updated in real time**.

Description of Indices

Index	Description
SET ALL	SET, SET50, SET100, MAI, all Industries, and all Sectors
SET INDUSTRY	All Industrial Index of the SET
SET SECTOR	All Sectoral Index of the SET
WORLD	Major World indices

In case you want to **view further details of each index**, you can simply click at such index symbol. **Liberty** will navigate you to the **Quote** page.

Forex Menu

Forex menu presents **exchange rates of major currencies crossed with Thai Baht** with an **hourly update**.

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET ↑ 712.05 2.38 (0.34%) Vol 3,107,652,762 Value 19,555.93M

Advance 200 Decline 128 Unchange 114 More >>

Quote **Foreign Exchange Rates** ©2005 All Rights Reserved.
Bisnews AFE (Thailand) Limited.

Country	Currency	Bid	Ask	High	Low	Time
USA	USD/THB	37.45	37.48	37.51	37.39	16:57
Great Britain	GBP/THB	69.691	69.758	69.844	69.613	16:59
Euro	EUR/THB	47.01	47.06	47.15	47.00	16:59
Japan	JPY/THB	31.36000	31.39000	31.46000	31.34100	17:00
Switzerland	CHF/THB	29.51000	29.54000	29.59000	29.50000	16:59
Singapore	SGD/THB	23.64118	23.67357	23.71317	23.61971	16:59
Hong Kong	HKD/THB	4.809	4.813	4.816	4.801	16:59
Australia	AUD/THB	28.13	28.17	28.20	28.08	16:59
Canada	CAD/THB	33.01	33.05	33.10	33.00	16:59
New Zealand	NZD/THB	24.68	24.71	24.74	24.63	16:59
Malaysia	MYR/THB	10.16558	10.18202	10.17930	10.15456	16:57

[Quote](#) [Warrants](#) [Index Futures](#) [Multiple View](#) [Trade Log](#) [3Bid / 3Offer](#) [Ranking](#) [Chart](#) [Ticker](#) [News](#) [Indices](#) [Forex](#) [Stock Search](#) [My Favorite](#) [Portfolio](#) [Announcement](#) [Print](#) [Online Help](#) [Limit Alert](#)

Disclaimer

17:37 13/10/2006 SET-SET :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP
 17:37 13/10/2006 SET-AP :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP
 17:37 13/10/2006 MGR-มท.สาขาร้านเกมห้ามใช้บริการ นร.-นศ. ในเครื่องแบบ
 17:32 13/10/2006 MGR-นายกฯ ระบุ การแก้ปัญหาไฟฟ้ ต้องยึดหลัก "เข้าใจ เข้าถึง พัฒนา"

[Info Online](#)

Description on Currencies

Currency	Description
USD	US Dollar
GBP	Pound Sterling
EUR	Euro Dollar
JPY	Japanese Yen
CHF	Swiss Franc
SGD	Singapore Dollar
HKD	Hong Kong Dollar
AUD	Australian Dollar
CAD	Canadian Dollar
NZD	New Zealand Dollar
MYR	Malaysian Ringgit

Stock Search Menu

Stock Search menu facilitates you to **search for the instrument both by instrument symbol and by instrument name**. Stock Search support stocks, warrants, and index futures contracts.



The screenshot shows the Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer interface. The top bar displays market data for SET: 712.05 (up 2.38, 0.34%), Vol: 3,107,652,762, Value: 19,555.93M. The left sidebar contains a menu with options: Quote, Warrants, Index Futures, Multiple View, Trade Log, 3Bid / 3Offer, Ranking, Chart, Ticker, News, Indices, Forex, **Stock Search**, My Favorite, Portfolio, Announcement, Print, Online Help, and Limit Alert. The main content area shows the 'Stock Search' tab selected, with a search input field containing 'S50'. Below the search bar, there are two tabs: 'Stock Search' and 'Stock Selection'. The 'Stock Search' tab displays a table with 7 results, all of which are 'Index Futures'.

	Symbol	Company Name	Type
1	S50M06	SET50JUN06	Index Futures
2	S50U06	SET50SEP06	Index Futures
3	S50Z06	SET50DEC06	Index Futures
4	S50H07	SET50MAR07	Index Futures
5	S50M07	SET50JUN07	Index Futures
6	S50_CON	S50Z06	Index Futures
7	S50U07	SET50SEP07	Index Futures

At the bottom, there is a disclaimer and a news section with the following text:

Disclaimer
 17:37 13/10/2006 SET-SET :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP
 17:37 13/10/2006 SET-AP :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP
 17:37 13/10/2006 MGR-นพ.กำชัยรุ่งแกมพร้อมให้บริการ บร.-บศ.ในเครื่องแบบ
 17:32 13/10/2006 MGR-นายคา ระญ การแก้ปัญหาไฟใต้ ต้องยึดหลัก "เข้าใจ เข้าถึง พัฒนา"

The search for instrument symbol of your preference can be done by either of the following ways.

1. **Stock Search: search by Symbol or Company Name** e.g. PTT, S50, or LAND.
2. **Stock Selection: search by financial criteria** e.g. P/E, P/BV, EPS, Dividend or Market Capitalization.

Once the search result is displayed, you can **click at the instrument symbol** to **see further details** in **Quote** page.

Searching by Stock Search

Click at **Stock Search** folder to start the search

Search by Symbol: Click at the  **Symbol** button and **type full or a part of instrument symbol** you know then click the **Search** button. **Liberty** will search for and display all the symbols that match with your requirement.

PTT		☒ Symbol	☐ Company Name	Search
Stock Search		Stock Selection		Total Search Result(s) : 4
	Symbol	Company Name	Type	
1	PTT	PTT PUBLIC CO.	Common Stock	
2	PTT-F	PTT PUBLIC CO.	Foreign Common Stock	
3	PTTEP	PTT EXPLORATION	Common Stock	
4	PTTEP-F	PTT EXPLORATION	Foreign Common Stock	

🔍 **Search by Name:** Click at the  **Company Name** button and **type full or a part of company name** you know then click the **Search** button. **Liberty** will search for and display all the symbols and company names that match with your requirement.

AND		☐ Symbol	☒ Company Name	Search
Stock Search		Stock Selection		Total Search Result(s) : 84
	Symbol	Company Name	Type	
1	AOT	AIRPORTS OF THAILAND	Common Stock	
2	AOT-F	AIRPORTS OF THAILAND	Foreign Common Stock	
3	APC	ADVANCE PAINT AND CHEMICA	Common Stock	
4	APC-F	ADVANCE PAINT AND CHEMICA	Foreign Common Stock	
5	ATC	THE AROMATICS (THAILAND)	Common Stock	
6	ATC-F	THE AROMATICS (THAILAND)	Foreign Common Stock	
7	BATA	BATA SHOE OF THAILAND	Common Stock	
8	BLAND	BANGKOK LAND PUBLIC CO.	Common Stock	
9	BLAND-F	BANGKOK LAND PUBLIC CO.	Foreign Common Stock	
10	CHUD	CHUD SENKO (THAILAND)	Common Stock	
11	CHUD-F	CHUD SENKO (THAILAND)	Foreign Common Stock	
12	CPF	CHAROEN POKPHAND FOODS	Common Stock	
13	CPF-F	CHAROEN POKPHAND FOODS	Foreign Common Stock	
14	CSR	CITY SPORTS AND RECREATIO	Common Stock	

Searching by Stock Selection

Click at **Stock Selection** folder to start the search.



Code	Name	Prv Cls	Mkt Cap	Yield	P/E	RSI 14
1. SGF-P1	AL FACTORING	0.00	200.00	0.00	0.00	0.00
2. EPCO	INTING PUBLIC	0.20	7,200.00K	0.00	0.06	21.69
3. PP	BLIC CO.	0.40	8,400.00K	0.00	0.18	0.00
4. MGR	EDIA GROUP PUBLI	0.40	9,000.00K	0.00	0.01	37.62
5. NPK	NEW PLUS KNITTING PUBLIC	1.20	12,000.00K	0.00	0.00	36.74
6. SRI	SRITHAI FOOD & BEVERAGE	0.52	15,598.19K	0.00	0.00	16.59
7. NFS-P	NATIONAL FINANCE PUBLIC C	860.00	22,270.56K	0.00	0.00	98.36
8. JUTHA-P	JUTHA MARITIME PUBLIC CO.	0.00	25,500.00K	0.00	0.00	0.00
9. PAE	PAE (THAILAND)PUBLIC CO.	1.30	26,000.00K	0.00	1.83	42.78
10. TEM	THAI ENGINE MANUFACTURING	1.30	31,200.00K	0.00	4.44	29.66
11. D-MARK	THAI-DENMARK SWINE	2.10	31,500.00K	0.00	0.00	32.67
12. PE	PREMIER ENTERPRISE PUBLIC	0.40	32,000.00K	0.00	0.04	32.27
13. PE&T	PREMIER ENGINEERING & TEC	1.60	37,296.61K	0.00	0.33	31.26
14. CMPC	SALAMETER PRESSURE CONTAIN	1.85	11,488.88K	0.00	0.58	38.86

Select Instrument Type: Click at  of the **Stock** (instrument box) and choose the instrument type be it Stock or Warrant.

Identify the Search Criteria: Click at  of the **Mkt Cap** (criteria box) and choose the search criteria of your requirement.

Description of Search Criteria

Criteria	Description
Mkt. Cap.	Market Capitalization: the value of a company as measured by the value of its total paid up equity securities at a market price
Yield	Yield rate (%)
P/E	Price Earning Ratio
EPS	Earning Per Share
DPS	Dividend Per Share
RSI14	Relative Strength Index: 14 days
52W Hi	Highest price in the past 52 weeks
52 W Lo	Lowest price in the past 52 weeks
%Chg	% Change in price, comparing Last price with Previous Close
%Fluctuation	% Change in price, comparing High and Low prices during the day
Volume	Traded volume

Identify the Comparing Sign: Click at  of the **>=** (comparing sign box) and choose the comparing sign of your requirement.

Identify the Criteria: Type the figure of your requirement in the **10** box to complete the financial criteria.

Then click at the **Search** button. **Liberty** will search for and display all the instrument symbols that match with your criteria. You can **click at the symbol** of your interest **to view its further details in Quote page**.

Liberty-i v2.55 by Bisnews - Microsoft Internet Explorer

SET ↑712.05 2.38 (0.34%) Vol 3,107,652,762 Value 19,555.93M

Advance 200 Decline 128 Unchange 114 More >>

Quote Warrants Index Futures Multiple View Trade Log 3Bid / 3Offer Ranking Chart Ticker News Indices Forex **Stock Search** My Favorite Portfolio Announcement Print Online Help Limit Alert

Stock P/E <= 8 Search

Stock Search Stock Selection Search Result(s) : 150 Page 1 of 6 Next >>

	Code	Name	Prv Cls	Mkt Cap	Yield	P/E	RSI 14
1	EPCO	EASTERN PRINTING PUBLIC	0.56	865.89M	0.00	7.95	47.31
2	UV	UNIVENTURES PUBLIC CO.	2.06	1,092.74M	4.85	7.94	70.39
3	TIPCO	TIPCO FOODS (THAILAND)	6.85	3,292.78M	1.60	7.93	55.90
4	CI	CHARN ISSARA DEVELOPMENT	3.96	475.20M	5.56	7.89	62.42
5	WG	WHITE GROUP PUBLIC CO.	44.00	785.40M	5.11	7.88	56.37
6	TIW	THAILAND IRON WORKS	72.00	432.00M	3.93	7.81	68.68
7	NPC	NATIONAL PETROCHEMICAL	126.00	39,060.00M	7.14	7.78	51.93
8	CK	CH.KARNCHANG PUBLIC CO.	9.50	10,575.32M	3.68	7.68	64.89
9	SPORT	SIAM SPORT SYNDICATE	2.84	690.38M	3.51	7.65	52.85
10	TCB	THAI CARBON BLACK PUBLIC	16.40	4,920.00M	3.66	7.61	61.39
11	METCO	MURAMOTO ELECTRON	197.00	4,334.00M	6.60	7.52	52.16
12	LALIN	LALIN PROPERTIES PUBLIC	5.40	4,455.00M	6.30	7.49	75.13
13	NFS	NATIONAL FINANCE PUBLIC C	17.90	23,196.54M	4.60	7.47	72.11
14	SS	SS ASSET CORPORATION	0.10	0.001.10M	1.10	7.40	50.00

Disclaimer

17:39 13/10/2006 RTR-SET:หุ้นไทยปิดบวกเล็กน้อย ดัชนีแนวต้าน 715 แนวโน้มสูงสุดรอบ 3 สัปดาห์

17:37 13/10/2006 SET-SET :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP

17:37 13/10/2006 SET-AP :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP

17:37 13/10/2006 MGR-นท.กำขันธ์ร้านเกมห้ามใช้บริการ นร.-นส.ใจเครื่องแบบ

Info Online

My Favorite Menu

My Favorite menu assists you to **closely monitor the price movement and relevant data of 20 instruments of your favorite**. You can add, delete, or save those symbols in My Favorite page for your convenience in the next retrieval. Instruments can be stock, warrant, and index futures.



Symbol	Last	Change	%Chg	Bid	Offer	Volume(Lot)	Value	Open	High	Low	Pre
PTT	214.00	-2.00	-0.93	212.00	214.00	69,769	1,497.58M	216.00	218.00	212.00	214.00
BBL	115.00	2.00	1.77	115.00	116.00	117,192	1,346.43M	114.00	116.00	113.00	115.00
RRC	19.60	0.30	1.55	19.50	19.60	190,733	372.13M	19.50	19.60	19.40	19.50
IEC	1.67	0.01	0.60	1.67	1.68	1,278K	216.36M	1.68	1.72	1.67	1.67
LOXLEY	2.30	0.00	0.00	2.30	2.32	212,668	49,475.18K	2.36	2.38	2.30	2.30
SCC	250.00	0.00	0.00	250.00	252.00	30,777	775.34M	252.00	254.00	250.00	250.00
AOT	62.00	4.00	6.90	61.50	62.00	139,071	842.24M	58.50	62.50	58.50	62.00
BAY-W1	6.30	0.05	0.80	6.25	6.30	134,331	84,805.59K	6.35	6.40	6.25	6.30
S50Z06	498.90	0.60	0.12	498.70	498.90	1,359	679.09M	500.00	501.40	498.30	498.90

17:39 13/10/2006 RTR-SET:หุ้นไทยปิดบวกเล็กน้อย ดัชนีปรับตัวขึ้น 715 หน่วยสูงสุดรอบ 3 สัปดาห์
 17:37 13/10/2006 SET-SET :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP
 17:37 13/10/2006 SET-AP :การรับหุ้นเพิ่มทุนเป็นหลักทรัพย์จดทะเบียนเพิ่มเติม : AP
 17:37 13/10/2006 MGR-นพ.สาวิตร รัตนเกษม หักเงินบริจาค นร.-นศ. ในเครื่องแบบ

Adding, Deleting and Saving the Instrument Symbol in My Favorite Page

✎ **Adding Symbol:** Type the instrument symbol in the (symbol box) and click the **Add** button or press **Enter**.

✎ **Deleting Symbol:** Click at the instrument symbol so such symbol is displayed in the symbol box. Then click the **Delete** button.

✎ **Saving My Favorite Page:** Once you finish adding the symbols you want to monitor, click the **Save** button so **Liberty** can display it on your next retrieval.

You can also opt to view the type of relevant data by clicking at the  button in front of the data type as follows:

- ✎ **Price Data**
- ✎ **Fundamental Data**
- ✎ **Technical Data**

Portfolio Menu

Portfolio menu assists you to **calculate the profit and loss of your investment both as a transaction and as a portfolio.**

You can **type the instrument symbol as well as relevant data** e.g. Buy Price, Buy Quantity, Buy Date, % Commission. Liberty will calculate and display the profit and loss of each transaction you did and the whole portfolio based on the Last price of such instrument.

Liberty offers **3 portfolios, each of which supports upto 30 instrument symbols.**

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Super Port

Portfolio 2

Portfolio 3

Total Unrealized P/L3,808.88Total Port (MV)170,550.00

Total Realized P/L0.00Total Commission414.75

Total P/L3,808.88Holding Cost166,314.75

LIBERTY

Save

	Code	Avail Qty	Buy Qty	Buy Price	%Com	Buy Date (DD/MM/YYYY)	Investment Cost	Last Price	Market Value
1	BANPU	300	300	143.00	0.25	30/08/2006	43,007.25	158.00	47,400.00
2	PTT	200	200	238.00	0.25	27/08/2006	47,719.00	214.00	42,800.00
3	TPI	7,000	7,000	7.20	0.25	03/03/2006	50,526.00	7.05	49,350.00
4	TOP	500	500	50.00	0.25	25/12/2005	25,062.50	62.00	31,000.00
5									
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18									

Building Your Portfolio

1. Click the **Portfolio** button. A Portfolio page with 3 folders will be displayed. Although Portfolio1 is displayed as a default, you can choose to input your data in any of these portfolios.
2. In case you want to **change the name of your portfolio**. Click at the folder you want to change the name. There will be a box for you to input your preferred portfolio name e.g. "Ultraman 7". Then press **Enter**.
3. Start inputting your own data by clicking at each row in the portfolio.

Description of Portfolio

Field	Description
Code	Instrument symbol e.g. PTT
Avail Qty	Net available stock or warrant instruments. Calculated from "Buy Qty minus Sell Qty"
Buy Qty	Number of stock or warrant you buy. 1 Qty equals 1 share.
Buy Price	Price you bought such stock or warrant
% Comm.	% Commission you pay to brokerage firm when you buy or sell your stock or warrant
Buy Date (DD/MM/YYYY)	Buying date such as 1/8/2005 (1 August 2005)
Investment Cost	Total investment for stock or warrant in each transaction
Last Price	Latest market price
Market Value	Total value of your invested stock or warrant based on market price at this moment. Calculated from "Avail Qty multiplies by Last Price"
Sell Qty	Number of stock or warrant you sell. 1 Qty equals 1 share.
Sell Price	Price you sell such stock or warrant
Unrealized P/L	Return from an investment in case that you have not sold such stock or warrant. Formula: " [(Last Price – Buy Price) x Avail Qty] – Buy and Sell commission "
Realized P/L	Return from an investment calculated by the price you input in Sell Price. Commission is already taken into this calculation.
Total Unrealized P/L	Sum of profit and loss in your portfolio, calculated from market price
Total Realized P/L	Sum of profit and loss in your portfolio, calculated from the price you actually sell your stock or warrant
Total P/L	Sum of profit and loss in your portfolio, calculated from "Total Unrealized P/L plus Total Realized P/L"
Total Port (MV)	Market Value of your portfolio, calculated from total number of stocks or warrants available in the portfolio and their market prices
Total Commission	Total commission you have paid to brokerage firms
Holding Cost	Cost of total investment of your portfolio, calculated from " Buy Price multiplies by Avail Qty "

- Once you input all data, click the **Save** button to save it.
- In case you want to **delete** some of the input data, simply click at it, press **Delete** button at your keyboard and press **Enter**.

Limit Alert Menu

Liberty provides you with the convenience for you to **set up the alert for upto 10 stocks, warrants or Index Futures of your interest**, using the specified criteria. Criteria are **Bid Price, Offer Price, and Traded Volume**.

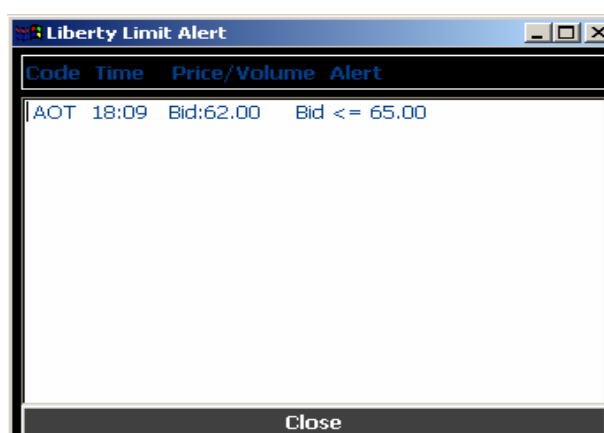
Set		☒ Sound	☒ Pop Up Alert	Remove	Save
Code	Name	Bid <=	Offer >=	Volume >=	
AOT	AIRPORTS OF THAILAND	65.00			
TPI	THAI PETROCHEMICAL INDUST		8.50		
PTT	PTT PUBLIC CO.,LTD.	240.00			

Setting up the Limit Alert

- Click at the Code column of each row. Input the instrument symbol you want to set up the alert and press **Enter**. The name of such symbol will automatically be displayed.
- If you want to **set up the criteria using Bid price**, click at the "**Bid <=**" column and input the Bid price of your requirement.
- If you want to **set up the criteria using Offer price**, click at the "**Offer >=**" column and input the Offer price of your requirement.
- If you want to **set up the criteria using Traded Volume**, click at the "**Volume >=**" column and input the Traded Volume of your requirement.
- If you want **Liberty** to beep you, simply tick the **Sound** box. And if you want **Liberty** to pop up an alert window, simply tick the **Pop Up Alert** box.

Once you are finished with the setup, click the **Save** button **to save it**. But if you want **to remove the set-up criteria**, simply click the **Remove** button.

Whenever any setup criteria is hit, **Liberty** will **beep and display the below pop-up window** no matter what menu you are at.

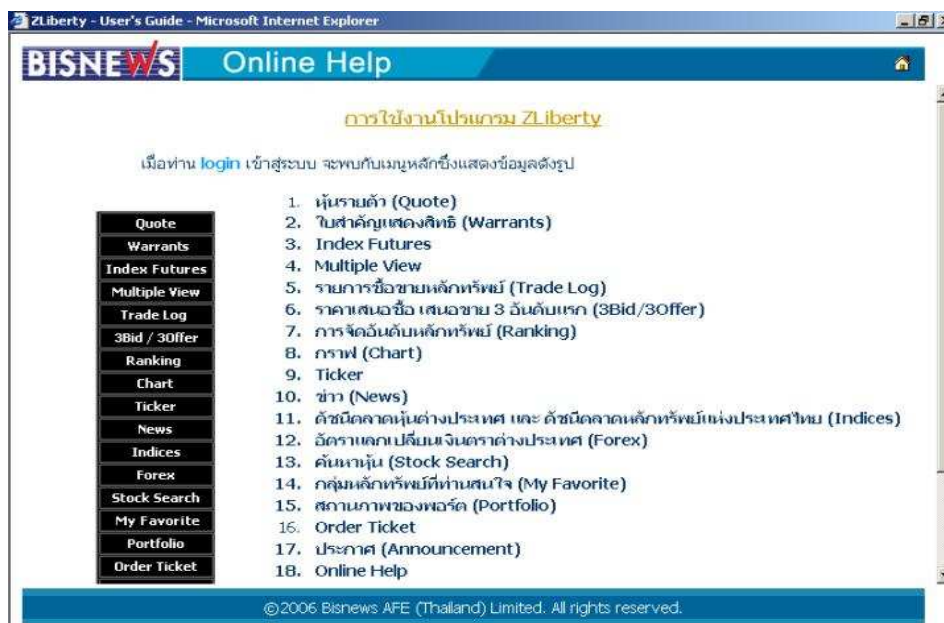


At the same time, **Liberty** will also display in the **Breaker** window the **details of stock or warrant that matches with the criteria you set up** so you can browse them later.

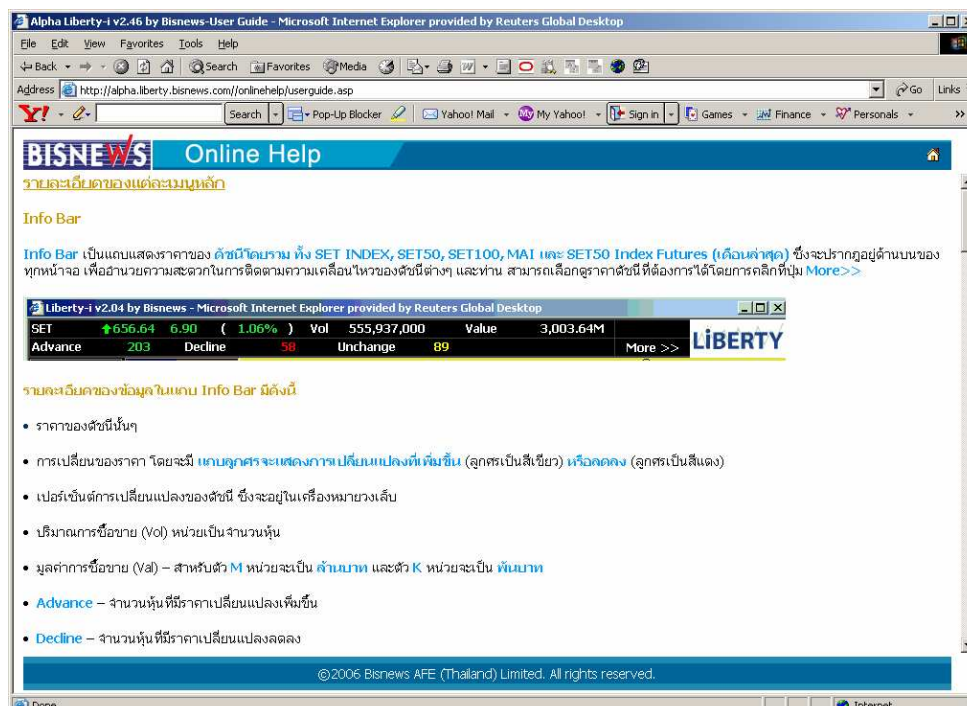
Breakers						Remove
Code	Name	Time	Bid/Offer	Last	Volume	
AOT	AIRPORTS OF THAILAND	18:09	62.000/			

Online Help Menu

Online Help is always available for you to **call up the User's Manual while using Liberty**. Details are separated by menu.



You only **click at the menu name**; **Liberty** will display details of such menu in another window as follows:



----- End -----